Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/19/2020 10:45 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124728	-1	1.66	124818	1.67
Blue	F	SSC	125000	124511	-1	1.66	125306	1.69
Blue	E	FITC	15892	15365	-4	2.73	334	20.63
Blue	D	PE	29999	29653	-2	1.95	646	14.69
Blue	B	PerCP-Cy5-5	43732	42981	-2	3.68	1154	20.57
Blue	A	PE-Cy7	30845	30468	-2	6.02	585	40.57
Red	C	APC	46112	45222	-2	2.49	1596	11.93
Red	A	APC-Cy7	30458	30060	-2	2.33	794	11.99
Violet	B	V450	7918	7581	-5	4.41	427	13.15
Violet	A	V500	32171	30843	-5	4.19	720	10.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17542	8.77	623	2	N/A	N/A	Pass
Blue	F	SSC	56766	1.23	564	5	N/A	N/A	Pass
Blue	E	FITC	61	67.07	543	0	0.0192	171	Pass
Blue	D	PE	135	49.42	550	2	0.1630	265	Pass
Blue	B	PerCP-Cy5-5	212	49.76	656	0	0.0088	36	Pass
Blue	A	PE-Cy7	109	100.82	699	1	0.0110	17	Pass
Red	C	APC	382	24.86	588	4	0.0256	164	Pass
Red	A	APC-Cy7	174	29.25	561	5	0.0056	1159	Pass
Violet	B	V450	65	57.91	459	1	0.0481	1750	Pass
Violet	A	V500	107	33.89	475	1	0.0229	766	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.31	-32.11	1.03
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	16.10	13.60 - 20.40	N/A	N/A	29.63	30.03	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10260

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments